

U.S. Department Of Agriculture
Natural Resources Conservation Service
Nevada

**Operation and Maintenance Plan
Dam, Diversion (348)**

Landowner/Operator: _____
Project: _____
Location: _____ Sec. _____ T. _____ R. _____
NRCS Office: _____ Phone: _____

A properly operated and maintained diversion dam is an asset to your property. This system was designed and installed to serve as a permanent structure(s) for the diversion of channel flows to meet the on-farm requirements. The estimated life span of the installation is at least 20 years and can be assured and usually increased by carrying out the following recommendations.

OPERATION AND MAINTENANCE CHECKLIST



- ☐ Remove all check boards at the end of the irrigation season to avoid damage to the structural works due to ice flows and large debris during high runoff periods.
- ☐ Flashboards shall be installed or headgates closed at the end of the irrigation season to prevent water from entering the canal.
- ☐ Immediately repair any cracks or breaks in the concrete. Investigate cause before repair and take measures to prevent reoccurrence.
- ☐ Before turning water into the canal, remove any accumulated debris from the headgate or canal.
- ☐ Remove sediment, debris or any blockage that restricts capacity.
- ☐ Remove woody vegetation and perennials from areas adjacent to the structural works.
- ☐ Repair major spalls, cracks, and weathered surfaces in concrete surfaces.
- ☐ Immediately repair any vandalism, vehicular or livestock damage.
- ☐ Eradicate or otherwise remove rodents or burrowing animals. Immediately repair any damage caused by their activity.
- ☐ Inspect the riprap at least once a year and after every major flow. Replace or adjust rock that has been washed out or moved.
- ☐ At least once a year, check all valves, gates and other appurtenances for proper functioning. Lubricate if needed. If worn or damaged, repair and replace following the manufacturer's recommendations.
- ☐ Check for unusual seepage on the backside of the dam. Check for water flowing underneath the pipe at the outlet, water flowing in the inlet but not out the outlet, and for water flowing out the outlet but not in the inlet. Make sure all structure drains are functional and soil is not being transported through the drainage system. Screens and/or rodent guards must be maintained and in place.

- [illegible]